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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/614,716
				Filing Date	07/07/03
				First Named Inventor	Sreenivasan et al.
				Group Art Unit	1732
				Examiner Name	Unassigned
				Attorney Docket Number	P90/MII-51-33V50
Sheet	2	of	5		

[illegible]

Examiner Signature		Date Considered	5/29/06
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		Filing Date	07/07/03
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Sheet 3 of 5	Attorney Docket Number	P90/MII-51-33V50	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
EL	A17	KRUG et al., "Fine Patterning of Thin Sol-Gel Films," Journal of Non-Crystalline Solids, 1992, pp. 447-450, vol. 147 & 148.	
	A18	Krauss et al., "Fabrication of Nanodevices Using Sub-25nm Imprint Lithography," Appl. Phys. Lett 67(21), 3114-3116, 1995	
	A19	CHOU et al., "Imprint of Sub-25 nm Vias and Trenches in Polymers," Applied Physics Letters, November 20, 1995, pp. 3114-3116, vol. 67(21).	
	A20	CHOU et al., "Imprint Lithography with 25-Nanometer Resolution," Science, Apr. 5, 1996, pp. 85-87, vol. 272.	
	A21	HAISMA et al., "Mold-Assisted Nanolithography: A Process for Reliable Pattern Replication," Journal of Vacuum Science and Technology, Nov/Dec 1996, pp. 4124-4128, vol. B 14(6).	
	A22	CHOU et al., "Imprint Lithography with Sub-10nm Feature Size and High Throughput," Microelectronic Engineering, 1997, pp. 237-240, vol. 35.	
	A23	FELDMAN et al., "Wafer chuck for manification correction in x-ray lithography," American Vacuum Society, 1998, pp. 3476-3479.	
	A24	SCHEER et al., "Problems of the Nanoimprinting Technique for Nanometer Scale Pattern Definition," Journal of Vacuum Science and Technology, Nov/Dec 1998, pp. 3917-3921, vol. B 16(6).	
	A25	COLBURN. et al., "Step and Flash Imprint Lithography: A New Approach to High-Resolution Patterning", Proc. of SPIE, 1999, pp. 379-389, vol. 3676.	
	A26	CHOU et al., "Lithographically-Induced Self Assembly of Periodic Polymer Micropillar Arrays," Journal of Vacuum Science and Technology, Nov/Dec 1999, pp. 3197-3202, vol. B 17(6).	
EL	A27	RUCHHOEFT et al., "Patterning Curved Surfaces: Template Generation by Ion Beam Proximity Lithography and Relief Transfer by Step and Flash Imprint Lithography," Journal of Vacuum Science and Technology, 1999, pp. 2965-2982, vol. 17.	

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EL	A28	CHOI et al., "Design of Orientation Stages for Step and Flash Imprint Lithography," Precision Engineering, Journal of the International Societies for Precision Engineering and Nanotechnology, 2001, pp. 192-199, vol. 25.	
	A29	CHOI et al., "High Precision Orientation Alignment and Gap Control Stages for Imprint Lithography Processes," U.S. Patent Application 09/698,317. Filed with USPTO on October 27, 2000.	
	A30	SREENIVASAN et al., "High-Resolution Overlay Alignment Methods and Systems for Imprint Lithography," U.S. Patent Application 09/907,512. Filed with USPTO on July 16, 2001.	
	A31	CHOI et al., "Method and System of Automatic Fluid Dispensing for Imprint Lithography Processes," U.S. Patent Application 09/908,455. Filed with USPTO on July 17, 2001.	
	A32	CHOI et al., "Methods for High-Precision Gap and Orientation Sensing Between a Transparent Template and Substrate for Imprint Lithography," U.S. Patent Application 09/920,341. Filed with USPTO on August 1, 2001.	
	A33	BAILEY et al., "Template for Room Temperature Low Pressure Micro- and Nano-Imprint Lithography," U.S. Patent Application 09/976,681. Filed with USPTO on October 12, 2001.	
	A34	VOISIN, "Methods of Manufacturing a Lithography Template," U.S. Patent Application 10/136,188. Filed with USPTO on May 1, 2002.	
	A35	SREENIVASAN et al., "Step and Repeat Imprint Lithography Systems," U.S. Patent Application 10/194,414. Filed with USPTO July 11, 2002.	
	A36	SREENIVASAN et al., "Step and Repeat Imprint Lithography Processes," U.S. Patent Application 10/194,99. Filed with USPTO July 11, 2002.	
	A37	OTTO M. et al., "Step and Repeat UV-Nanoimprint Lithography: Material Issues," Nanoimprint and Nanoprint Technology Conference, San Francisco, December 11-13, 2002.	
	A38	JOHNSON, et al., "Advances in Step and Flash Imprint Lithography," SPIE Microlithography Conference, February 23-28, 2003.	

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		Filing Date	07/07/03		
		First Named Inventor	Sreenivasan et al.		
		Group Art Unit	1732		
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Sheet	5	of	5	Attorney Docket Number	P90/MII-51-33V50

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EL	A39	CHOI et al., "A Chucking System and Method for Modulating Shapes of Substrates," U.S. Patent Application 10/293,224. Filed with USPTO on November 13, 2002.	
	A40	VOISIN, "Methods of Inspecting A Lithography Template," U.S. Patent Application 10/293,919. Filed with USPTO on November 13, 2002	
	A41	CHOI et al., "A Method For Modulating Shapes of Substrates," U.S. Patent Application 10/316,963. Filed with USPTO on December 11, 2002.	
	A42	NIMMAKAYALA et al., "Magnification Correction Employing Out-of-Plane Distortion of a Substrate," U.S. Patent Application 10/735,110. Filed with USPTO on December 12, 2003.	

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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

Sheet	1	of	2
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**Complete if Known**

Application Number	10/614 716
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Filing Date	July 7, 2003
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First Named Inventor	Sreenivasan et al
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Art Unit	1732
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Examiner Name	Unassigned
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Attorney Docket Number	P90-32V30
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		Application Number	10/814,716
		Filing Date	July 7, 2003
		First Named Inventor	Sreenivasan et al.
		Art Unit	1732
		Examiner Name	Unassigned
Sheet 2	of 2	Attorney Docket Number	P90-32V30

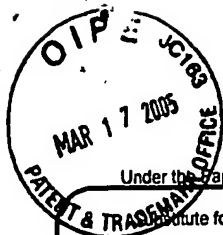
NON PATENT LITERATURE DOCUMENTS			
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EL	B5	U.S. App. No. 10/687,519, filed 10/16/2003, entitled: Low Surface Energy Template, naming Inventors Nguyen et al.	
	B6	U.S. App. No. 10/666,527, filed 9/18/2003, entitled: Imprint Lithography Templates having Alignment Marks, naming Inventors Bailey et al.	
	B7	U.S. App. No. 10/670,980, filed 9/25/2003, entitled: Imprint Lithography Template having Opaque Alignment Marks, naming Inventors Sreenivasan et al.	
	B8	U.S. App. No. 10/706,537, filed 11/12/2003, entitled: Formation of Conductive Templates Employing Indium Tin Oxide, naming Inventors Sreenivasan et al.	
	B9	U.S. App. No. 10/833,240, filed 4/27/2004, entitled: Compliant Template for UV Imprinting, naming Inventors Watts et al.	
	B10	U.S. App. No. 10/895,214, filed 7/20/2004, entitled: Imprint Alignment Method, System, and Template, naming Inventor Voison	
	B11	U.S. App. No. 10/917,761, filed 8/13/2004, entitled: A Moat System for an Imprint Lithography Template, naming Inventors McMackin et al.	
	B12	U.S. App. No. 11/051,941, filed 2/4/2005, entitled: Imprint Lithography Template to Facilitate Control of Liquid Movement, naming Inventors McMackin et al.	
	B13	U.S. App. No. 10/788,700, filed 2/27/2004, entitled: Full-Wafer or Large Area Imprinting with Multiple Separated Sub-Fields for High Throughput Lithography, naming Inventors Sreenivasan et al.	
	B14	U.S. App. No. 10/760,821, filed 1/20/2004, entitled: Method for Concurrently Employing Differing Materials to Form a Substrate, naming Inventors Sreenivasan et al.	

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Sheet 1 of 4

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Filing Date	07/07/2003
First Named Inventor	Sreenivasan et al.
Art Unit	1732
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Attorney Docket Number	P90-32V30

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
EC	C1	US- 2003/0113638-A1	6/19/2003	Mancini et al.	
	C2	US- 6,716,754-B2	4/6/2004	Hofmann et al.	
	C3	US- 6,517,977-B2	2/11/2003	Resnick et al.	
	C4	US- 2002/0135099-A1	9/26/2002	Robinson et al.	
	C5	US- 5,849,222	12/15/1998	Jen et al.	
	C6	US- 6,391,217-B2	5/21/2002	Schaffer et al.	
	C7	US- 6,696,220-B2	2/24/2004	Bailey et al.	
	C8	US- 2002/0177319-A1	11/28/2002	Chou	
	C9	US- 6,518,189-B1	2/11/2003	Chou	
	C10	US- 6,713,238-B1	3/30/2004	Chou et al.	
	C11	US- 6,646,662-B1	11/11/2003	Nebashi et al.	
	C12	US- 6,776,094-B1	8/17/2004	Whitesides et al.	
	C13	US- 2002/0132482-A1	9/19/2002	Chou	
	C14	US- 2002/0167117-A1	11/14/2002	Chou	
	C15	US- 6,482,742-B1	11/19/2002	Chou	
	C16	US- 2003/0080471-A1	5/1/2003	Chou	
	C17	US- 2004/0036201-A1	2/26/2004	Chou et al.	
	C18	US- 6,828,244	12/7/2004	Chou	
	C19	US- 6,809,356	10/26/2004	Chou	

**FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
EC	C20	WO 2004/016406	2/26/2004	Sreenivasan		
	C21	WO 00/21689	4/20/2000	Chou et al.		
	C22	JP 02-92603	4/3/1990	Kurikawa et al.		
	C23	JP 02-24848	1/26/1990	Kamio		
	C24	WO 01/47003	6/28/2001	Steiner et al.		
	C25	WO 02/07199	1/24/2002	Chou		

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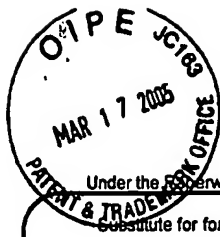
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EC	C26	US- 2004/0197843-A1	10/7/2004	Chou et al.	
	C27	US- 2004/0156108-A1	8/12/2004	Chou et al.	
	C28	US- 2004/0137734-A1	7/15/2004	Chou et al.	
	C29	US- 2004/0131718-A1	7/8/2004	Chou et al.	
	C30	US- 2004/0118809-A1	6/24/2004	Chou et al.	
	C31	US- 2004/0046288-A1	3/11/2004	Chou	
	C32	US- 2003/0080472-A1	5/1/2003	Chou	
	C33	US- 2003/0034329-A1	2/20/2003	Chou	
	C34	US- 2002/0042027-A1	4/11/2002	Chou et al.	
	C35	US- 6,580,172-B2	6/17/2003	Mancini et al.	
	C36	US- 4,512,848	4/23/1985	Deckman et al.	
	C37	US- 6,517,995-B1	2/11/2003	Jacobenson et al.	
	C38	US- 2004/0110856-A1	6/10/2004	Young et al.	
	C39	US- 5,028,366	7/2/1991	Harakal et al.	
	C40	US- 5,601,641	2/11/1997	Stephens	
	C41	US- 5,849,209	12/15/1998	Kindt-Larsen et al.	
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
EC	C42	WO 2004/114016	12/29/2004	Chou et al.		
	C43	WO 99/05724	2/4/1999	Chou et al.		
	C44	WO 03/010289	2/6/2003	Chou et al.		
	C45	WO 03/079416	9/25/2003	Chou		
	C46	WO 03/099536	12/4/2003	Chou et al.		
	C47	WO 2004/013693	2/12/2004	Watts et al.		

Examiner  
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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number 10/614,716

Filing Date 07/07/2003

First Named Inventor Sreenivasan et al.

Art Unit 1732

Examiner Name Unassigned

Attorney Docket Number P90-32V30

Sheet 3

of 4

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
EL	C48	Heidari, "Nanoimprint Lithography at the 6 in. Wafer Scale," J. Vac. Sci. Technol. B 18(6), pp. 3557 - 3560, 11/1/2000.	
	C49	Translation of Japanese Patent 02-92603	
	C50	Translation of Japanese Patent 02-24848	
	C51	Chou et al., "Ultrafast and Direct Imprint of Nanostructures in Silicon," Nature, Col. 417, (June 2002), pp. 835-837, 6/1/2002.	
	C52	Chou et al., "Nanoimprint Lithography," Journal of Vacuum Science Technolgy B 14(16), pp. 4129-4133, 11/1/1996.	
	C53	Colburn et al., "Development and Advantages of Step-and-Flash Lithography," Solid State Technology, 7/1/2001.	
	C54	Colburn et al., "Characterization and Modeling of Volumetric and Mechanical Properties for Step and Flash Imprint Lithography Photopolymers," Journal of Vacuum Science Technology. Vol b. 19(6), 11/1/2001.	
	C55	Bailey et al., "Step and Flash Imprint Lithography: Defect Analysis," Journal of Vacuum Science, B 19(6), pp. 2806-2810, 11/1/2001.	
	C56	Bailey et al., "Step and Flash Imprint Lithography: Template Surface Treatment and Defect Analysis," Journal of Vacuum Science, B 18(6), pp. 3572-3577, 11/1/2000.	
	C57	Schneider et al., "Stripes of Paritally Fluorinated Alkyl Chains: Dipolar Langmuir Monolayers."	

Examiner  
Signature

Date

Considered

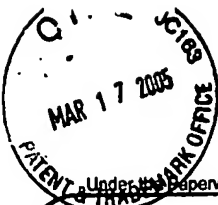
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number 10/614,716

Filing Date 07/07/2003

First Named Inventor Sreenivasan et al.

Art Unit 1732

Examiner Name Unassigned

Attorney Docket Number P90-32V30

Sheet

4

of

4

### NON PATENT LITERATURE DOCUMENTS

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EC	C58	Resnick et al., "High Resolution Templates for Step and Flash Imprint Lithography," Journal of Microlithography, Microfabrication, and Microsystems. Vol 1. No. 3., 10/1/2002	
EC	C59	Chou, "Nanoimprint Lithography and Lithographically Induced Self-Assembly," MRS Bulletin, pp. 512 - 517, 7/1/2001.	
EC	C60	Colburn et al., "Step and Flash Imprint Lithography for sub-100 nm Patterning," Proceedings of SPIE Vol. 3997, pp. 453 - 457, 1/1/2000.	

Examiner Signature		Date Considered	5/29/06
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				APPLICATION NUMBER	10/614,716
				FILING DATE	07/07/2003
				FIRST NAMED INVENTOR	Sreenivasan et al.
				Group Art Unit	1722
				Examiner Name	Heckenberg Jr., Donald H.
				Attorney Docket Number	P90-32V30
Sheet	1	of	3		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant; Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

EC	D1	5,208,983		Guckel et al.	5/4/1993	
	D2	6,117,708		Wensel	8/12/2000	
	D3	6,316,290	B1	Wensel	11/13/2001	
	D4	6,355,198	B1	Kim et al.	3/12/2002	
	D5	6,387,787	B1	Mancini et al.	5/14/2002	
	D6	2004/0021866	A1	Watts et al.	2/5/2004	
	D7	2004/0022888	A1	Sreenivasan et al.	2/5/2004	
	D8	2003/0205667	A1	Voisin	11/6/2003	
	D9	2004/0124566	A1	Sreenivasan et al.	7/1/2004	
	D10	2004/0192041	A1	Jeong et al.	9/30/2004	
	D11	6,190,929	B1	Wang et al.	2/20/2001	
	D12	5,848,222		Jen et al.	12/15/1998	
	D13	2005/0064344	A1	Bailey et al.	3/24/2005	
	D14	2005/0057379	A1	Sreenivasan et al.	3/31/2005	
	D15	2004/0250945	A1	Zheng et al.	12/16/2004	
	D16	5,477,058		Sato	12/18/1995	
	D17	2005/0084804	A1	Truskett et al.	4/21/2005	

Examiner Signature		Date Considered	5/29/06
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Substituta for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				APPLICATION NUMBER	10/614,716
				FILING DATE	07/07/2003
				FIRST NAMED INVENTOR	Sreenivasan et al.
				Group Art Unit	1722
				Examiner Name	Heckenberg Jr., Donald H.
				Attorney Docket Number	P90-32V30

[illegible]

Examiner Signature		Date Considered	5/29/06
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				APPLICATION NUMBER	10/614,716
				FILING DATE	07/07/2003
(use as many sheets as necessary)				FIRST NAMED INVENTOR	Sreenivasan et al.
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Sheet	3	of	3	Examiner Name	Heckenberg Jr., Donald H.
				Attorney Docket Number	P90-32V30

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cita No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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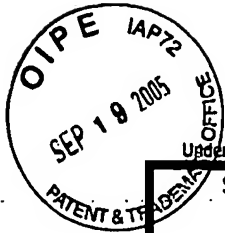
EC	D26	SHIBUICHI ET AL., Super Water- and Oil-Repellent Surfaces Resulting from Fractal Structure, Journal of Colloid and Interface Science, Vol. 208, no. 1, pp. 287-294 12/1/1998	
	D27	TANIGUCHI ET AL., Diamond Nanoimprint Lithography, Nanotechnology, 2002, vol. 13, no. 5, pp. 592-596(5) 1/1/2002	
	D28	KIYOHARA ET AL., Abstract of Plasma Etching of CVD Diamond Films using an ECR-type Oxygen Source, <a href="http://www.lop.org/EJ/abstract/0957-4484/10/4/304">http://www.lop.org/EJ/abstract/0957-4484/10/4/304</a> 9/28/2003	
	D29	APPLICATION NO. 11/126,946, naming inventors Choi et al., entitled Formation of Discontinuous Films During an Imprint Lithography Process, filed 5/11/2005	
	D30	APPLICATION NO. 11/127,041, naming inventors Sreenivasan et al., entitled Step and Repeat Imprint Lithography Processes, filed 5/11/2005	
	D31	APPLICATION NO. 11/127,060, naming inventors Sreenivasan et al., entitled Step and Repeat Imprint Lithography Systems, filed 5/11/2005	
	D32	APPLICATION NO. 11/136,897, naming inventors Miller et al., entitled Imprint Lithography Template Having a Coating to Reflect and/or Absorb Actinic Energy, filed 5/25/2005	
	D33	THOMPSON ET AL., Fabrication of Step and Flash Imprint Lithography Templates Using Commercial Mask Processes, SPIE Microlithography Conference 2/1/2003	

Examiner Signature		Date Considered	5/29/06
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Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>APPLICATION NUMBER</b>	10/614,716
				<b>FILING DATE</b>	07/07/2003
				<b>FIRST NAMED INVENTOR</b>	Sreenivasan et al.
				<b>Group Art Unit</b>	1756
Sheet 1 of 7				<b>Examiner Name</b>	Christopher G. Young
				<b>Attorney Docket Number</b>	P90-32V30

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			

<i>EC</i>	E1	4,959,252		Bonnebat et al.	9/25/1990	
	E2	5,110,514		Soane	5/5/1992	
	E3	5,240,550		Boehnke et al.	8/31/1993	
	E4	5,259,926		Kuwabara et al.	9/9/1993	
	E5	5,348,616		Hartman et al.	9/20/1994	
	E6	5,480,047		Tanigawa et al.	1/2/1996	
	E7	5,512,131		Kumar et al.	4/30/1996	
	E8	5,545,367		Bae et al.	8/13/1996	
	E9	5,776,748		Singhvi et al.	7/7/1998	
	E10	5,888,650		Calhoun et al.	3/30/1999	
	E11	5,952,127		Yamanaka	9/14/1999	
	E12	6,046,056		Parce et al.	4/4/2000	
	E13	6,051,345		Huang	4/18/2000	
	E14	6,074,827		Nelson et al.	6/13/2000	
	E15	6,218,316	B1	Marsh	4/17/2001	
	E16	4,201,800		Alcorn et al.	5/6/1980	
<i>0</i>	E17	6,274,294	B1	Hines	8/14/2001	

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				<b>FILING DATE</b>	07/07/2003
				<b>FIRST NAMED INVENTOR</b>	Sreenivasan et al.
				<b>Group Art Unit</b>	1756
				<b>Examiner Name</b>	Christopher G. Young
				<b>Attorney Docket Number</b>	P90-32V30
<b>Sheet</b>	2	of	7		

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EE	E18	6,326,627	B1	Putvinski et al.	12/4/2001	
	E19	2004/0150129		Hougham et al.	8/5/2004	
	E20	2004/0202865		Homola et al.	10/14/2004	
	E21	5,937,758		Maracas et al.	8/17/1999	
	E22	5,726,548		Chiba et al.	3/10/1998	
	E23	2002/0069525	A1	Hada et al.	6/13/2002	
	E24	5,508,527		Kuroda et al.	4/16/1996	
	E25	5,876,550		Feygin et al.	3/2/1999	
	E26	5,785,918		Hull	7/28/1998	
	E27	5,171,490		Fudim	12/15/1992	
	E28	6,753,131	B1	Rogers et al.	6/22/2004	
	E29	5,956,216		Chou	9/21/1999	
	E30	5,820,769		Chou	10/13/1998	
	E31	2001/0023042	A1	Dirksen et al.	9/20/2001	
	E32	2005/0100830	A1	Xu et al.	5/12/2005	
	E33	2005/0051742	A1	Shiraishi	3/10/2005	
	E34	6,153,886		Hagiwara et al.	11/28/2000	

Examiner Signature		Date Considered	5/29/06
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Substitute for form 1449A/PTO

*(use as many sheets as necessary)*

***Complete if Known***

<b>APPLICATION NUMBER</b>	10/614,716
<b>FILING DATE</b>	07/07/2003
<b>FIRST NAMED INVENTOR</b>	Sreenivasan et al.
Group Art Unit	1756
Examiner Name	Christopher G. Young
Attorney Docket Number	P90-32V30

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (If known)			

[illegible]

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Date  
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				FILING DATE	07/07/2003
				FIRST NAMED INVENTOR	Sreenivasan et al.
				Group Art Unit	1756
Sheet	4	of	7	Examiner Name	Christopher G. Young
				Attorney Docket Number	P90-32V30

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document/BG			Name of Patent or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Office	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
EC	E38	WO	87/02935		Long et al.	5/21/1987		
	E39	JP	02192045		Mineo et al.	7/27/1990		
	E40	WO	02/22916		Pettersson et al.	3/21/2002		
	E41	EP	1460738	A2	Gimkiewicz et al.	9/22/2004		
	E42	JP	61-40845		Matsuo et al.	2/27/1986		
	E43	JP	2-248480		Yoneda et al.	10/4/1990		
	E44	JP	3-90345		Nobuyoshi et al.	4/16/1991		
	E45	JP	9-278490		Toru et al.	10/28/1997		

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				<b>FILING DATE</b>	07/07/2003
				<b>FIRST NAMED INVENTOR</b>	Sreenivasan et al.
				<b>Group Art Unit</b>	1756
<b>Sheet</b>	<b>5</b>	<b>of</b>	<b>7</b>	<b>Examiner Name</b>	Christopher G. Young
				<b>Attorney Docket Number</b>	P90-32V30

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite, No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

<i>EL</i>	E46	FEYNMAN, There's Plenty of Room at the Bottom, 12/1/1959	
	E47	XIA ET AL., Soft Lithography, Angew. Chem. Int. Ed., pp. 550 - 575 1/1/1998	
	E48	NGUYEN, Asymmetric Fluid-Structure Dynamics in Nanoscale Imprint Lithography, The University of Texas at Austin, pp. 1 - 111 8/1/2001	
	E49	Abstract of Japanese Patent 02-92603, 8/12/2004	
	E50	Abstract of Japanese Patent 02-24848, 1/26/1990	
	E51	SOWAH, Diamond used to Break the Mould, Retrieved 9/2/2003 from URL: <a href="http://www.electronicetimes.com/story/OEG20020918S0003">http://www.electronicetimes.com/story/OEG20020918S0003</a> 9/18/2002	
	E52	APPLICATION NO. 10/827,118, naming inventors Watts et al., entitled A Method of Forming a Deep-Featured Template Employed in Imprint Lithography, filed 4/19/2004	
	E53	Abstract of Japanese Patent 61-040845, 2/27/1986	
↓	E54	Abstract of Japanese Patent 02-248480, 10/4/1990	

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				APPLICATION NUMBER	10/614,716
				FILING DATE	07/07/2003
				FIRST NAMED INVENTOR	Sreenivasan et al.
				Group Art Unit	1756
Sheet 6 of 7				Examiner Name	Christopher G. Young
				Attorney Docket Number	P90-32V30

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

EC	E55	Abstract of Japanese Patent 3-090345, 4/16/1991	
	E56	Abstract of Japanese Patent 09-278490, 10/28/1997	
	E57	Abstract of Japanese Patent 61-040845, 2/27/1986	
	E58	Abstract of Japanese Patent 02-248480, 10/4/1990	
	E59	GEHOSKI ET AL., Indium Tin Oxide Template Development for Step and Flash Imprint Lithography, SPIE Microlithography Conference 2/1/2005	
	E60	DAUKSHER ET AL., Repair of Step and Flash Imprint Lithography Templates, J. Vac. Sci. Technol. B 22(6), pp. 3306-3311 11/1/2004	
	E61	DAUKSHER ET AL., Step and Flash Imprint Lithography Template Characterization, from an Etch Perspective, J. Vac. Sci. Technol. B 21(6), pp. 2771-2776 11/1/2003	
	E62	RESNICK ET AL., Imprint Lithography: Lab Curiosity or the Real NGL?, SPIE Microlithography Conference 2/1/2003	
✓	E63	MANCINI ET AL., Analysis of Critical Dimension Uniformity for Step and Flash Imprint Lithography, SPIE Microlithography Conference 2/1/2003	

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				FILING DATE	07/07/2003
				FIRST NAMED INVENTOR	Sreenivasan et al.
				Group Art Unit	1756
				Examiner Name	Christopher G. Young
Sheet 7 of 7				Attorney Docket Number	P90-32V30

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EC	E64	MANCINI ET AL., Hydrogen Silsesquioxane for Direct Electron-Beam Patterning of Step and Flash Imprint Lithography Templates, J. Vac. Sci. Technol. B 20(6), pp. 2896-2901 11/1/2002	
	E65	DAUKSHER ET AL., Characterization of and Imprint Results Using Indium Tin Oxide-Based Step and Flash Imprint Lithography Templates, J. Vac. Sci. Technol. B 20(6), pp. 2857-2861 11/1/2002	
	E66	NORDQUIST ET AL.Q, Critical Dimension and Image Placement Issues for Step and Flash Imprint Lithography Templates, 22nd Annual BACUS Symposium on Photomask Technology, Monterey, CA 9/1/2002	
	E67	BAILEY ET AL., Template Fabrication Schemes for Step and Flash Imprint Lithography, Microelectronic Engineering, 61-62, pp. 461-467 1/1/2002	
	E68	RESNICK ET AL., High Resolution Templates for Step and Flash Imprint Lithography, SPIE Microlithography Conference 2/1/2002	
▽	E69	RESNICK ET AL., New Methods for Fabricating Step and Flash Imprint Lithography Templates, NIST-SPIE Conference on Nanotechnology 9/1/2001	

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				FILING DATE	07/07/2003
				FIRST NAMED INVENTOR	Sreenivasan et al.
				Group Art Unit	1722
				Examiner Name	NGUYEN, THUKHANH T
Sheet	1	of	2	Attorney Docket Number	P90-32V30

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant, Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
EC	F1	2003/0180631	A1	Shiota et al.	8/25/2003	
	F2	6,684,026	B2	Nguyen et al.	12/16/2003	
	F3	6,261,469	B1	Zakhidov et al.	7/17/2001	
	F4	5,817,378		Everaerts et al.	10/6/1998	
	F5	2006/0019183	A1	Voisin	1/26/2006	
	F6	2006/0158637	A1	Kim et al.	7/21/2005	
	F7	6,165,911		Calveley	12/26/2000	
	F8	2004/0219246	A1	Jeans	11/4/2004	
	F9	3,677,178		Gipe	7/18/1972	
	F10	6,743,368	B2	Lee	6/1/2004	

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EC	F11	APPLICATION NO. 11/298,244, naming inventors Watts et al., entitled Method of Forming a Compliant Template for UV Imprinting, filed 12/9/2005	

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